

IN THE CLAIMS

1.-5. (cancelled).

6. (currently amended) A video camera, comprising:
obtaining means for obtaining a capacity value of a battery by communicating via a communications line with a battery pack that contains the battery, the battery providing that provides power to said the video camera;

setting means for setting a correction value based on whether the capacity value exceeds a predetermined value, the correction value being a first value when the capacity value exceeds a first predetermined value that is the capacity value of a battery having a first known number of battery cells, the correction value being a second value when the capacity value does not exceed the first predetermined value but exceeds a second predetermined value that is the capacity value of a battery having a second known number of battery cells, the first known number of battery cells being greater than the second known number of battery cells, and the correction value being zero when the capacity value does not exceed the second predetermined value;

correcting means for correcting a low power warning voltage value using the correction value; and

generating means for generating a warning signal when a detected battery voltage is less than or equal to the corrected low power warning voltage value.

7. (previously presented) A video camera as claimed in claim 6, further comprising detecting means for detecting the battery voltage.

8. (previously presented) A video camera as claimed in claim 6, further comprising storage means for storing the capacity value, said obtaining means obtaining the capacity value from said storage means.

9.-12. (cancelled).

13. (previously presented) A video camera as claimed in claim 6, wherein said correcting means corrects the low power warning voltage value by subtracting the correction value from the low power warning voltage value.

14. (previously presented) A video camera as claimed in claim 6, further comprising determining means for determining a residual power of the battery based on the capacity value.

15. (previously presented) A video camera as claimed in claim 14, wherein said generating means generates a display of the residual power when the detected battery voltage is greater than the corrected low power warning voltage value.

16. (previously presented) A video camera as claimed in claim 6, wherein said generating means generates the warning signal when the detected battery voltage is greater than a minimum operating voltage.

17. (currently amended) A video system, comprising:
a video camera body; and
a battery pack including a battery having at least one battery cell; and
a communications line connected to said video camera body and said battery pack;

said video camera body including:
obtaining means for obtaining a capacity value of said battery by communicating with said battery pack via said communications line,

setting means for setting a correction value based on whether the capacity value exceeds a predetermined value, the correction value being a first value when the capacity value exceeds a first predetermined value that is the capacity value of a battery having a first known number of battery cells, the correction value being a second value when the capacity value does not exceed the first predetermined value

but exceeds a second predetermined value that is the capacity value of a battery having a second known number of battery cells, the first known number of battery cells being greater than the second known number of battery cells, and the correction value being zero when the capacity value does not exceed the second predetermined value,

correcting means for correcting a low power warning voltage value using the correction value, and

generating means for generating a warning signal when a detected battery voltage is less than or equal to the corrected low power warning voltage value.

18. (previously presented) A video system as claimed in claim 17, wherein said battery pack includes storage means for storing the capacity value, said obtaining means of said video camera body obtaining the capacity value from the storage means.

19. (previously presented) A video system as claimed in claim 17, wherein said battery pack includes detecting means for detecting the battery voltage.

20. (currently amended) A method of detecting low power in a battery, comprising:

detecting a battery voltage;

obtaining a capacity value of the battery by communicating with a battery pack that contains the battery;

setting a correction value based on whether the capacity value exceeds a predetermined value, the correction value being a first value when the capacity value exceeds a first predetermined value that is the capacity value of a battery having a first known number of battery cells, the correction value being a second value when the capacity value does not exceed the first predetermined value and exceeds a second predetermined value that is the capacity value of a battery having a second known number of battery cells, the first

known number of battery cells being greater than the second known number of battery cells, and the correction value being zero when the capacity value does not exceed the second predetermined value;

correcting a low power warning voltage value using the correction value; and

generating a warning signal when the battery voltage is less than or equal to the corrected low power warning voltage value.

21. (previously presented) A method as claimed in claim 20, further comprising storing the capacity value, said step of obtaining the capacity value including obtaining the stored capacity value.

22.-24. (cancelled).

25. (previously presented) A method as claimed in claim 20, wherein the correcting step includes correcting the low power warning voltage value by subtracting the correction value from the low power warning voltage value.

26. (previously presented) A method as claimed in claim 20, further comprising determining a residual power of the battery based on the capacity value.

27. (previously presented) A method as claimed in claim 26, further comprising generating a display of the residual power when the battery voltage is greater than the corrected low power warning voltage value.

28. (previously presented) A method as claimed in claim 20, wherein the generating step includes generating the warning signal when the battery voltage is greater than a minimum operating voltage.